

FRMAC Working Group Updates for Semi-Annual State/FRMAC Call

January 25, 2017





Operations WG Updates

- No Major Activity
- Next proposed meeting: Week of May 15th in conjunction with the Assessment Working Group
 - FRMAC Mission Analysis
 - FRMAC Operations Manual



Assessment WG Updates

Summary of FRMAC Assessment Working Group (AWG) Activities:

- Building protection factors (BPFs)
 - AWG Focus Group led by LLNL has completed literature review of BPFs,
 - Working to finalize recommended default BPFs
 - Developing approach on how FRMAC will use BPFs for Early and Intermediate Phase Assessment
- Working to improve the interactions between the Assessment Division and NARAC
- Scheduling the next AWG meeting (May 2017)



Assessment WG Updates

FRMAC Assessment Manual, Volume 1 Status:

- Website address has changed:

http://www.nnss.gov/pages/programs/frmac/frmac_documents.html

- Current version is April 2015
- Plan to release updated *FRMAC Assessment Manual* in February 2017
 - Incorporate AWG-approved methods
 - Incorporate updated lung clearance type (LCT) and particle size distribution assumptions
 - Update DRL and Dose Parameter values based on new LCT assumptions.



Assessment WG Updates

Turbo FRMAC© Software Status:

- Current version is Turbo FRMAC© 2017 (released January 17, 2017)
 - Website address: <http://nirp.sandia.gov/>
 - Improvements:
 - For explanation of what has changed, go to: <https://nirp.sandia.gov/Software/TurboFRMAC/TurboFRMAC.aspx>
- Working to get approval to add additional capabilities to Turbo FRMAC
 - Briefing products to transmit relevant technical information and to support Radiological Operations Support Specialist (ROSS) duties
 - Protection from external radiation provided by buildings



Assessment Lessons from Northern Lights-16

- The Assessments of food quickly get very complicated and there are many variations to the analyses.
- Getting real ground and agricultural products sample results is difficult within the time needed.
- Food Industry will be extremely conservative with decisions to take products to market.
- EPA Relocation Zones and FDA Food embargo zones will be inconsistent which will be a Public Relations challenge.



Health & Safety WG Updates



Monitoring & Sampling WG Updates



Lab Analysis WG Updates

- Programmatic Improvements
 - Compiling lessons learned from Northern Lights Exercise
 - Evaluation of FAL equipment
 - Developing training modules for Gamma Spectroscopist Position
 - Piloting quarterly problem set for continuing training
- Planned Northern Lights Exercise Activities
 - Panel discussion at NREP Conference(April 2017)
 - Lessons learned workshop at APHL Conference (June 2017)
- Joint EPA/FRMAC FEMA/NIRT Project 2016
 - Refining process for shipping samples to off-site labs
 - Evaluating and Streamlining QA processes
 - Guidance for contamination control and waste segregation



Questions?